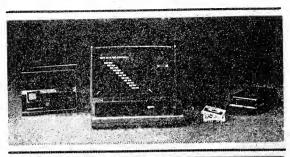
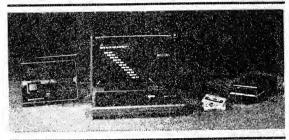
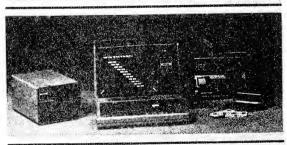
# RADIO SHACK COMPUTER OWNERS TRS-80 MODEL I AND MODEL I

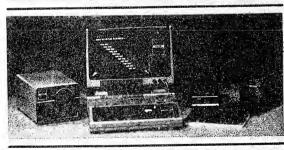
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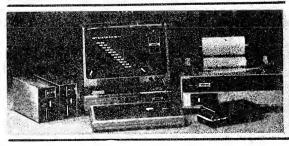
# SOFTWARE GATALOG NO. 3





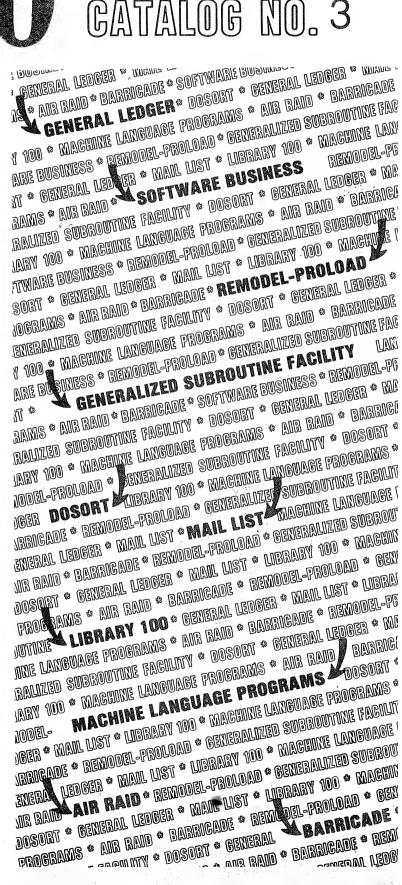






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MAC — 8080 Macro Assembler Full Intel macro definitions
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Pseudo Ops include RPC IRP REPT TITLE PAGE and
MACLIB Z-80 library included Produces Intel absolute hex
output plus symbols file for use by SID (see below) \$100/\$15

MACLIB 2-ou initially included the policy of the policy of

printer

DESPOOL -- Program to permit simultaneous printing of DESPOOL strom the from the data from disk while user executes another program (\$50)\$1 console

console
Disk Extended BASIC — Version 5 ANSI compatible with hong variable names WHILE WEND chaining variable length sand/\$25 title records

hile records

BASIC Compiler ... Language compatible with Version 5 ProMicrosoft interpreter and 3-10 times laster execution. ProMicrosoft interpreter. ProMicrosoft interpreter

FORTRAN-80 ANSI 66 texcept for COMPLEX) plus
FORTRAN-80 Includes relocatable object complex: linking
many extensions includes relocatable object complex: linking
loader library with manager Also includes MACRO-80 (see
S400/\$25

below)

COBOL-80 — ANSI 7.1 Relocatable object output Format

COBOL-80 and MACRO-80 modules Complete
same as FORTRAN-80 and MACRO-80 modules COPY

SAME INTERACTIVE ACCEPT DISPLAY COPY

S625 525

MACRO-80 — 8080 Z80 Macro Assembler Intel and Zilog
mnemonics supported Relocatable linkable output Loader
mnemonics supported Relocatable List utilities included
Library Manager and Cross Reference List utilities sincluded

EDIT-80 — Very fast random access text editor for text with or without line numbers. Global and intra-line commands supported. File compare utility included.

Ported File compare utility included

PAYROLL SYSTEM — Maintains employee master like
Computes payroll withholding for FICA Federal and State
taxes Punits oxyroll register checks quarterly reports and W-2
taxes Sants oxyroll register checks and employee forms Can generate ad hoc reports and employee forms Can generate ad hoc reports and employee forms Can generate ad hoc Resource Code
with mail labels Requires CBASIC Supplied in source Code
\$605:S35

APARTMENT MANAGEMENT SYSTEM — Financial management system for receipts and security deposits of apartment projects. Captures sold state rents etc. In a contract of the security of th

code

CASH REGISTER — Maintains lies on daily sales Files
data by sales person and item Tracks sales overings redata by sales person and item Tracks sales overings redata by sales person and total net deposits Requires CBASIC's Supplied in source code

S605/S35
S605/S35

Supplied in source code

CBASIC-2 Disk Extended BASIC — Non-interactive BASIC with pseudo-code compiler and runtime interpreter Supports full file control chaining integer and extended precision variables etc.

lables etc

Flippy Disk Kit — Template and instructions to modify sinflippy Disk Kit — Template and instructions to modify sided
gle sided 5'4 diskettes for use of second side in singled sided
S975

Selector III — Multi (i.e. up to 24) Key Data Base Processor Selector III — Multi (i.e. up to 24) Key Data Base Processor Comes anti-applications programs including Sales Activity In-antory Payables Receivables Check Register Expenses Appointments and Client Patient. Requires CBASIC Supplied in source code. Ennanced version for CBASIC 2 \$345(\$20) in source code.

## G2 Level III BASIC by Microsoft

Powerful extensions to Level II BASIC including 10 machine language user calls long error messages keyboard debounce graphics commands and much more Price includes User Manual a Quick Reference Card and a pre-programmed sassette tape.

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Lifeboat Associates, specialists in microcomputer disk software, is proud to offer the first professional disk-based language and utility package for the Radio Shack TRS-80 computer. Written by Microsoft, creators of Level II BASIC, the package runs on a TRS-80 system with 32K RAM, one or more drives and TRSDOS. The software is supplied on diskettes and consists of:

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SUBROUTINE LIBRARY a complete library of subroutines existing as relocatable linkable modules for FORTRAN or assembler programs—e g , double precision square root, natural log, transcendentals, etc

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New City, New York 10956 Box 149 Please send the following: Software manual manual alone shipping UPS C.O.D Check -\$1 for C.O.D. MasterCharge Total Exp. Date Account # Signature My computer configuration (specify disk system) Name Address (No P.O. Box) State 经保险证据 经经验 经经验 经经验 经证据 经货物 医红色 City

# **CHECKBOOK II**

BY ALAN MEYERS

FOR LEVEL II 16K & 32K TAPE BASED TRS-80'S

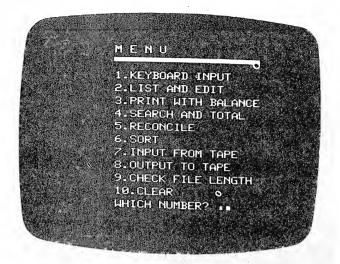
The technical expertise of TBS has been synthesized into a program that upgrades checkbook analysis to an interesting, informative and fun portion of your regimen. This program outshines the other programs of its type to such a degree that it is a new category of checkbook analysis for the consumer. FEATURING:

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- \* Complete editing mode allowing changes in any or all columns plus deletion module.
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- \* Bank reconcile with listing of all outstanding checks. Program automatically deletes all cleared checks if checkbook balances.
- \* Search and total routine with the capability of searching all checks in memory or an entire month, by date, check number, whom to or code.
- \* Tape input/output with the ability to record from any given check number. Automatically names file by check numbers.
- \* Complete printout of everything on screen with the press of a button from anywhere in the program.
- \* Visual numeric sort routine. Automatic after keyboard input.
- \* 16K version handles 75 transactions. The 32K version (without DOS) can handle an amazing 400!
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CHECKBOOK II T80-0015

SHPG WGT: 1 1b. PR: \$18.50 QTY: 1



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This package consists of 76 Programs which appeared in Osborne & Associates book, "Some Common Basic Programs," which was written by Lon Poole and Mary Borchers. The programs are broken up into four different areas:

(1) Statistics

(3) Math

(2) Finance

(4) Miscellaneous

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The programs were originally written in Wang Basic, but we have converted these basic programs to the individual basic languages that we have listed below for sale. All packages include one or more floppy disks, a supplementary instruction manual and may also include the above mentioned book, "Some Common Basic Programs," which does serve as the users manual. This book provides listings of all the programs, example runs and information on how to alter the programs if you desire to change it slightly for a particular need.

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- 7. Exponential Curve Fit
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- 9. Power Curve Fit
- 10. Multiple Linear Regression
- 11. Normal Distribution
- 12. T-Statistics Evaluation
- 13. T-Distribution
- 14. Chi-Square Evaluation
- 15. Chi-Square Distribution
- 16. F-Distribution

- 17. Bivariate Normal Distribution
- 18. Geometric Distribution
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- 21. Weibull Distribution
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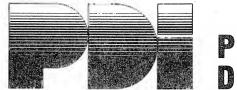
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**MON-3 RSM - 2** 

RSM-2D

DCV-1 BASIC-1 AIR RAID

# MON-3 MACHINE LANGUAGE PROGRAMMING FOR BEGINNERS By Dr. Hubert S. Howe, Jr.

- BEGINNERS can learn to interact directly with the computer in machine language.
- COMPLETE manual provided with program.
- SIMPLE commands, easy for beginners to use.
- ADVANCED commands for assembly programmers and disk systems.

The features of the monitor allow you to do the following things:

- SAVE or READ SYSTEM tapes.
- SAVE SYSTEM tapes on disk.
- DISPLAY contents of memory in different ways.
- DISASSEMBLE memory to see machine language commands.
- SEARCH through memory to find specific values.
- MOVE and COMPARE memory blocks.
- MODIFY and initialize memory blocks.
- RELOCATE object programs.
- PRINT output either on video display or line printer.

MON-3 is a powerful utility program that is as useful for beginners as it is for advanced programmers. Its commands provide you with nearly everything you need to interact with the TRS-80 in machine language. Move advanced features include a command that produces a symbolic tape of the disassembly that can be loaded and reassembled using the TRS-80 Editor/Assembler, and a feature that allows object programs that are to be executed anywhere in memory to be saved on disk, even if they run in the same area used by the TRSDOS system.

The program is available only for Level II BASIC computers. Specify whether you have 16K, 32K, or 48K RAM. All versions are compatible with cassette or disk.

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# TRS-80 SOFTWARE



### **RSM-2** MACHINE LANGUAGE MONITOR

A 27-command monitor program with capabilities for entering, executing, saving and loading machine language programs. Commands to search, display, edit, zero, exchange, test, fill and verify memory. Also provides links for keyboard and CRT display access for users.

Provides access to all memory locations. You may examine your Basic ROM's, test your RAM, enter and execute machine language programs, read and write machine language tapes.

You can set BREAKPOINTS in your programs, write SYSTEM tapes, READ SYSTEM tapes and display their name and starting address, and PRINT any command with the TRS232 printer interface or the Radio Shack expansion interface! Disk commands (see RSM-2D) are included for future expansion of your system. RSM-2 loads from cassette into the top 5K of memory in Level I or Level II 16K computers so that it can reside in memory with other programs!

#### RSM-2D

This special disk version of RSM-2 has all the commands of both RSM-1S and RSM-2, including two commands that read or write disk sectors directly! You can read any number of disk sectors into any memory area, or write any memory area to disk! A truly unique tool for use with disk systems. RSM-2D is furnished on disk with three versions that load and run in the top 5K of 16K, 32K and 48K computers. A special loader program prompts you to select the desired version, which then loads and executes. If desired, you can make CMD files of RSM-2D by use of the TAPE-DISK command for direct execution from TRSDOS.

## DCV-1 CONVERTS MACHINE LANGUAGE PROGRAMS FROM A TAPE TO A DISK PROGRAM

DCV-1 is a special SYSTEM tape that allows you to convert nearly any machine language program from a tape to a disk program. Nearly all of our software may now be executed from your disk system! This includes RSM monitors, The Electric Pencil, Air Raid, RSL-1, ESP-1 or any program that occupies less than 5K (Larger programs may be handled if you have more than 16K of memory). After DCV-1 is loaded, DCV-1 then loads any SYSTEM tape into memory starting at 6C00 Hex. A short block-move program is added at the beginning of the program, and the parameters necessary to create a disk file are displayed on the screen. TAPEDISK is then used to create a disk file. When accessed, the program loads at 6C00 Hex, moves itself to its correct address, then jumps there and executes! A super accessory for disk systems!

### BASIC-1 LEVEL I BASIC FOR LEVEL II MACHINES

Level I and II without extra hardware. This program will read a 12K maximum level I program and execute it as is. It is possible to switch back and forth between level I and level II without reloading the program. Works under level II and DOS BASIC. All level I abbreviations are supported.

### AIR RAID A REAL-TIME SHOOTING GALLERY

AIR RAID is an arcade-type action game that uses the high speed machine language capabilities of the TRS-80. AIR RAID offers enough challenge to keep the attention of the most dedicated of game haters, and has been known to become nearly an obsession to more than one individual. Just about the time you finally achieve that magic score of 10,000, someone points out that you're still playing the game at one of the low speeds!

AIR RAID is played on the TRS-80 video screen. A random sequence of large slow aircraft and small fast aircraft traverse the screen in both directions at seven altitudes. A missile launcher that can be pointed in 5 different directions launches missiles under your command. After launch, the flight path may be modified (if you're fast enough)! When hit, aircraft explode dramatically and the debris rains to the bottom of the screen, destroying any aircraft in its path! On occasion, two aircraft collide, destroying the aircraft and creating a parachute which settles slowly to the ground. These, of course, offer additional targets, but they are much harder to hit than the aircraft. To compensate, a higher score is tallied for parachute hits!

AIR RAID also runs in a continuous demonstration mode, providing an interesting display for shows or computer meetings. AIR RAID will provide hours of fun for you, and is an ideal program for entertaining your friends!

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# REMODEL • PROLOAD • COPSYS • TIMSER LEVEL II TRS-80 PROFESSIONAL PROGRAMMING TOOLS YOU HAVE BEEN WAITING FOR

#### NOW FOR THE FIRST TIME WITH REMODEL YOU CAN:

- RENUMBER any portion or all of a basic program with line number references adjusted.
- MOVE any portion of a basic program from one location to another.
- DELETE lines or ranges of lines while using the utility.

#### WITH BOTH PROLOAD AND REMODEL YOU HAVE THE ADDITIONAL POWER TO:

- LOAD all or any portion of a basic program from tape (CLOAD format).
- LOAD MULTIPLE basic programs renumbering and merging into any location.
- SAVE combined/merged programs or any portion of a program to tape.
- VERIFY bit-for-bit the contents of saved programs.

#### AND WITH COPSYS YOU CAN:

- COPY SYSTEM (machine language object) tapes rapidly and accurately.
- MERGE independently assembled object tapes into one load module.
- · VERIFY bit-for-bit system tapes duplicated by COPSYS.

**REMODEL** is a powerful utility that for the first time allows the TRS-80 user to **RENUMBER** any portion or all of a basic program **MO**VE, any portion from one location to another, or **DE**LETE any range of lines. This includes readjusting line number references where required. The user will find REMODEL to be an indispensable tool in program development by assisting in the creation of well organized, readable, and easy to document programs. Specify 16, 32, 48K.

**PROLOAD** extends the power of REMODEL with features to LOAD all or any portion of a basic program, COMBINE basic programs with renumbering and merging into any location, SAVE combined/merged programs or any portion to tape, and to VERIFY bit-for-bit the contents of saved programs. Users can now create libraries of BASIC programs or DATA statements which can then be loaded individually or in combination with other programs, thus expanding programming productivity and versatility. Requires REMODEL (16, 32, 48K). Special combined PROLOAD + REMODEL tape.

COPSYS is designed to COPY SYSTEM tapes (machine language object code) generated from the Radio Shack Editor/Assembler program. COPSYS can be used to duplicate those valuable system tapes before they become damaged.

**TIMSER** is a Time Series Analysis program that fits data to nine different 1st, 2nd and 3rd order curves. Goodness of fit data, tables, including projected data and confidence limits, and graphical displays of curve fit and variance are included. The program provides for correction factors and functions to test seasonal variations, inflation corrections, or cyclical variations. A detailed Users Manual is included complete with illustrated examples.

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# REMODEL EXAMPLES

The examples below illustrate some of the capabilities of REMODEL. A trivial sample program is used to show the status before and after the specified action is completed. User input is <u>underlined</u> and modified areas are <u>shaded</u>.

1. REQUIREMENT: Renumber the entire program using a starting number of 10 and incrementing by  $10\,\cdot$ 

Used: START?5	User: START?
END? 125	END?
NEW? 10	NEW? 10
BY? 10	BY?
MODE?NUM	MODE?
	END? 125 NEW? 10 BY? 10

COMMENTS: Note that default values were supplied automatically for the fields left blank.

REQUIREMENT: More line, #50-53 between lines #5 and #24, renumbering to packers of 10 starting at 10.

PROGRAM BEFORE 5 PRINT 1: GOTO 24 24 PRINT 2: GOTO 125 25 PRINT 3: GOTO 63 50 PRINT 4: KND 63 PRINT 5: GOTO 50	Used: START? 50
GOTO 24 GOTO 125 GOTO 63 END	END? 63
	NE
<u>NN≅₩0</u>	M 2 10
PROGRAM 5 PRINT 10 PRINT 20 PRINT 24 PRINT 25 PRINT	NEW? 10 BY? 10
PROGRAM AFTER PRINT 1: GOTO PRINT 4: END PRINT 5: GOTO PRINT 3: GOTO PRINT 3: GOTO	BY? 10
PROGRAM AFTER  5 PRINT 1: GOTO 24  10 PRINT 4 END  20 PRINT 5 GOTO 10  24 PRINT 3: GOTO 125  25 PRINT 3: GOTO 20	BY?10

Comments: Blocks may be moved to any new location as long as there is sufficient room between sequence numbers, as above.

125 PRINT 6:

GOTO 25

125 PRINT 6:

GOTO 25

REQUIREMENT: Move lines #50-63 between lines #24 and #25.

PROGRAM BEFORE 5 PRINT 1: GOTO 24 24 PRINT 2: GOTO 125 25 PRINT 3 GOTO 63 50 PRINT 4 END 63 PRINT 5: GOTO 50 125 PRINT 6: GOTO 25	User: START?50 END?63 Used: START?50 END?63	User: START?25 END?25 Used: START?25 END?25
Θ/ <sub>1</sub> Θ 123 225 126 25 25	NEW? 30 NEW? 30	NEW? 40 NEW? 40
PROGRAM AFTER PRINT 1: GO PRINT 2: GO PRINT 4: EN PRINT 5: GO PRINT 5: GO PRINT 6: GO	BY?5 BY?5	BY? BY?10
GOTO 24 GOTO 125 END GOTO 30 GOTO 40	MODE? MODE?MOV	MODE? MODE?NUM

COMMENTS: Two steps were required in the above example. The first renumbered line #25 to #40, and the second moved lines #50-63 between #24 and #40 producing the desired result.

REMODEL CAN BE USED IN DOS OR NON-DOS ENVIRONMENT

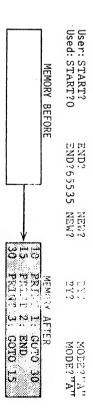
# PROLOAD EXAMPLES

PROLOAD expands the capabilities of REMODEL as illustrated in the examples shown below. For these examples it is assumed that the following two program are on tape and positioned correctly when needed:

30 PRINT 3: GOTO 15	15 PRINT 2: END	10 PRINT 1: GOTO 30	PROGRAM "A"
	30 PRINT 5: STOP	25 PRINT 4: GOTO 35	PROGRAM "B"

User input is  $\underline{\text{underlined}}$  and areas loaded or saved to tape are  $\underline{\text{shaded}}$  .

1. REQUIREMENT: Load program "A" into memory.



COMMENTS: Default values were supplied for the START and END fields. The NEW and BY fields were not used, as a result the statements were not renumbered.

2. REQUIREMENT: Load statements #30 and #35 of program "B" between lines #15 and #30 of program "A", renumbering to #20 and #25.

MEMORY BEFORE  10 PRINT 1: GOTO 30  15 PRINT 2: END  30 PRINT 3: GOTO 15	User: START? 30 END? 35 Used: START? 30 END? 35
10 20 30	NEW? 20 NEW? 20
MEMORY PRINT PRINT PRINT PRINT PRINT PRINT	BY?5 BY?5
AFTER 1: GOTO 30 2: END 5: STOP 6: GOTO 20 3: GOTO 15	MODE?"B"

COMMENTS: This operation was successful because there was room between statements # 15 and #30 for the two lines desired.

3. REQUIREMENT: Save the contents of memory which contains program "A" from lines #15 to #30 to tape, renaming to program "C".

User: START? 15 Used: START? 15

END? 30 END? 30

NEW?

MODE? (C)

OU PRINI 3: GO	2:	PRINT 1:	MEMORY BEFOR
CT 0109	;	TO 30	
	30 PRINT 3: GOTO 15	15 FRINT 2: END	PROGRAM "C" TAPE

COMMENTS: Note that the NEW and BY fields were not used. Any range of lines can be saved to tape. Tapes written can be verified by using the =C= mode as for the example above.

PROLOAD CAN BE USED IN A DOS OR NON-DOS ENVIRONMENT

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- 12. A STRING SEARCH FUNCTION ALLOWS THE USER TO LOCATE ANY STRING OF CHARACTERS THAT MAY EXIST IN THE FILE. THE STRING SEARCH FUNCTION IS ESPECIALLY USEFUL IN CREATING A SELECTIVE MAILING LIST. OTHER USES MAY INCLUDE LISTS OF SALES PROSPECTS WITH ACTION DATES TO REPRESENT APPOINTMENTS, EXPIRATIONS, SERVICES DATES, ETC.
- 13. DATA CAN BE SELECTIVELY EXTRACTED FROM A FILE AUTOMATICALLY USING THE CODED STRING SEARCH FUNCTION.
- 14. TAPE VERIFY VERIFIES TEXT STORED ON CASSETTE (SIMILAR TO CSAVE?).
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# INTRODUCTION TO TRS-80 GRAPHICS

From **DILITHIUM PRESS** by **DON INMAN**.

### CONTENTS INCLUDE:

• THE VIDEO DISPLAY

The Plot Method

The Plot Method
The Print Method

• SITTING DUCKS

Phase I Stationary Targets
Phase II Moving Targets

WHAT'S BEHIND BARS?

Vertical Lines
Horizontal Lines

• THE PLOT IS EXPLAINED

Rectangle Graphics

GAMES AND ABSTRACT ART

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• STRAIGHT LINES AT ODD ANGLES

OTHER GEOMETRIC FIGURES

BENDING A STRAIGHT LINE

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. FAR OUT IDEAS

Low cost personal computers are moving into more and more homes and class-rooms. One of the most exciting capabilities of these computers is their ability to provide graphical data displays that formerly cost thousands of dollars. This book provides a complete introduction to the basics of graphics programming using dozens of real examples which run on the popular Radio-Shack TRS-80 computer.

The book begins with the most basic concepts of line drawing and leads the reader on to geometric shapes, moving figure animation, and other more advanced topics. No mathematics is required, but some familiarity with the BASIC programming language is assumed. A TRS-80 computer for running the examples would be helpful, but most concepts apply to all low cost computers with graphics capabilities.



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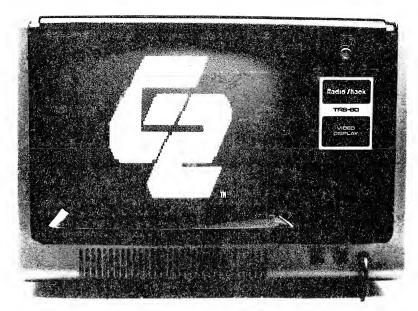
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## Now do more than ever before with the most powerful Basic you can buy for the TRS-80.

Open the manual and load the cassette. Then get ready to work with the most powerful Basic interpreter you've ever had your hands on...Level III Basic for Radio Shack Computers. It loads right on top of the Level II ROM, and in just 5K of space, opens up your capability to new dimensions. For starters, this new cassette-based interpreter gives you the whole catalog of disk programming power. Plus graphics commands. Plus powerful editing commands. Plus long error messages, hex and octal constants and conversions, user defined functions and a number of commands never before available on either cassette or disk interpreters!

Easier Loading, Fewer Keyboard Errors. G2 Level III Basic eliminates aggravations you've had, including keyboard "bounce" and those super-sensitive tape deck settings. Programs will load easier, and you'll have far less trouble with input errors.

Basic Access to RS-232. Until now, if you wanted to access your RS-232 interface, you had to work in assembly language. G2 Level III Basic does the work for you, letting you use your interface with Basic statements.

Have You Wished for More Power? This new interpreter gives you 10 machine language user calls for subroutines, long error messages, a new TIME\$ call for your real time accessory, plus measure or limit input timing that lets you put a time limit on responses when you're playing games or giving exams. And the list doesn't stop here.

Easier and More Powerful Graphics. This new Basic includes three simple commands that can eliminate dozens of program steps. PUT transfers information from a designated array to your screen; GET reverses the process. LINE makes your computer do the work when you input beginning and end points. Give it two diagonally opposite corner locations, and it'll outline the rectangle you're looking for.

Only Microsoft Could Do It. G2 Level III Basic was created by Microsoft, the same company that wrote Level II Basic for Radio Shack. And it actually uses Level II as a foundation for this enhanced add-on. By the time you've mastered all it can do, calling up the flexibility of the graphics commands, and even enjoying the convenience of renumbering, you'll wonder how it was all possible. It's like getting a whole new computer for your computer.

Available Now for Only \$49.95. You get the power that might otherwise cost you hundreds of dollars in additional equipment for only \$49.95. Price includes the User Manual, a Quick-Reference Card, and a preprogrammed cassette tape. Load the tape, open the manual, and get ready to work with the most powerful Basic Interpreter you've ever had your hands on. G2 Level III Basic for the TRS-80. Another member of the growing G2 Personal Computer Program Library.





#### G/2 BEAT THE HOUSE \$14.95

Is a package of four game programs that closely simulate the "action" of big-time casino games of chance. Games include Blacklack, Craps, Roulette and Slot Machine. In addition to a realistic simulation of the action of the games, odds and payoffs have been programmed to yield results that are as close as possible to the odds and payffs currently prevailing in Las Vegas. Programs are randomized to produce the same "chances" that a player has in a real-life casino play situation.

Is a package of three novel programs that can help you gain new insight into your body, your lifestyle, and the ways in which you relate to some seldom-considered aspects of your heredity.

A major feature of this package is that any program can be used and enjoyed by a person with no previous experience in working with a computer. The programs have built in "prompts", or messages that appear on the screen, telling what to do next. And most of the background explanation is also built into the program, available for the user to read or ignore to personal preference.

These programs are valuable for the information they contain, and for the entertainment value they provide. They are, of course, no substitute for professional medical advice.

#### G/2 THE MARKET \$14.95

is a computer simulation of the stock market. Each game is different as your computer controls market trends in the dynamic moves of eight different corporations. You can buy stock in a utility for low risk and consistent growth, or speculate on a glamour stock for quick profits even faster losses. Players buy and sell stocks in as many as eight companies. The program is designed so that each of these companies will react differently to market fluctuations. You can buy or sell stocks short, enjoy a stock split, or perhaps go bankrupt. After all players have made their desired adjustments to their portfolios by buying and selling stocks, the market is advanced one week and a new period of trading begins. At the end of the game each player can determine by his or her financial status how good a stock market trader he or she is. The Market is a computer simulation written by Dick Ainsworth and Al Baker and produced by The Image Producers, Inc.

#### G/2 OIL TYCOON \$14.95

Is a game based on the wild and exciting business of oil well wildcatting. You and your apponents are independent oil producers looking to hit the newest and greatest oil strike of the year. You are presented with a map that defines geologically the area in which you are searching for oil, and based on your knowledge of geology, geo-physics, and a little bit of luck you attempt to sink wells that may hit it rich. Oil Tycoon is another imaginative computer simulation written by Dick Ainsworth and produced by The Image Producers, Inc.

Is a package of three game programs that challenge the insight and strategic skill of a player, NINES requires only basic addition, yet provides hours of fun as you play against the computer and attempt to come up with the correct combination of numbers. TOWERS OF TIBET calls for both strong strategy and an excellent memory as you attempt to solve the ancient riddle of the Tibetian memors. The further you go into the game, the harder the moves become and the better you must become. LINE O FIVE is played against a somptite that never makes a mistake. All of the Outwit programs challenge your mind and memory.

#### **G/2 OUTWIT II \$14.95**

Is another in the continuing series of mind games. You test your skills against your opponent in trying to remember locations of numbers and combination numbers in the game of CONCENTRATION. FRAME-UP pits you against your opponent or the computer in trying to come up with the best combination of numbers available to you in a ten by ten matrix. Your opponent locks into a row or column and you must pick the best value for that column or row. The game requires that you look ahead at least three to four moves to be successful with the game. Again, more programs from G/2 to help stimulate the mind.

#### **G/2 BLOCKADE \$14.95**

Is a series of three games where you attempt to blockade your opponent and his trail into a corner of the computer screen. You enter secret tunnels or unknown areas and your trail re-emerges in different areas of the screen. A fast paced game that requires both manual dexerity and strategic skills

#### **G/2 ADVENTURE \$14.95**

Is a package of games that simulate the suspense and mystery of a good mystery novel. You attempt to find hidden passages that rise to new levels. You must elude demons, witches and other "baddies" to achieve your goal of success. A package that will keep the family stimulated and engrossed for hours on rainy evenings.

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# TRS-80 PILOT SARGON BARRICADE

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- (FROM PRACTICAL APPLICATIONS)
- FOR EASY CONVERSATION WITH YOUR TRS-80
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- SIMPLIFIES COMPUTER ASSISTED INSTRUCTION

Pilot is a dialogue oriented language which deals mainly with words and text. The syntax is extremely simple, allowing teachers and students to learn it readily. Because much educational material is essentially in English, non-mathematical users find Pilot a flexible tool for presenting materials via computer. It should be clear that Pilot was not intended to replace other computer languages. It fills a complimentary place among dialogue, numerical, procedural, and curricular languages.

## SARGON

- FROM HAYDEN PRESS
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## 32 BASIC PROGRAMS FOR THE TRS-80 COMPUTER (LEVEL II) (FROM DILITHIUM PRESS)

Thomas H. Rugg and Phillip S. Feldman

You've bought yourself a TRS-80 computer, now what do you do? Your answer, of course, depends on your own particular situation. You will find a lot of answers in this book of computer programs especially for the TRS-80. You can use the programs as is or make the changes shown and suggested. Each of the 32 chapters FULLY documents a different program for the TRS-80! Applications, games, educational and math programs and more. Key features of the book are: 1. The programs work unchanged on a TRS-80. 2. There is a very low cost per program. 3. the programs cover a wide range of interests. 4. The authors are experienced programmers. 5. Full explanations are provided for each program. 6. Easy changes are provided, so you can make the programs work to your preference. 7. Projects are suggested for you to undertake and sufficient reference material is provided to make these projects possible.

CONTENTS: APPLICATIONS PROGRAMS - Practical uses at home or work • EDUCATIONAL PROGRAMS to help yourself or others to learn • GAME PROGRAMS—Match wits with the computer or a friend • GRAPHIC DISPLAY PROGRAMS—Dazzling visual diversions • MATHEMATICS PROGRAMS for math, engineering and statistical uses • MISCELLANEOUS PROGRAMS—Short programs that do interesting things

#### INTRODUCTION TO T-BUG (FROM DILITHIUM PRESS)

Don Inman and Kurt Inman

This is the **only** book to describe in detail the machine language monitor operations of the popular Radio Shack TRS-80 computer. Each command is explained and discussed in detail and examples are given to show how the commands may be used. Each step of every sample program is accompanied by a sketch of the corresponding video display for complete "no question about it" understanding of the operations. The examples constitute practical applications which make this book not only instructional, but useful as well.

## REAL TIME BASIC FOR THE TRS-80 (FROM DILITHIUM PRESS)

Don Inman, Kurt Inman and Bob Albrecht

Written in the easy self-teaching style of Bob Albrecht's MY COMPUTER LIKES ME, this book will teach you how to read and understand programs in BASIC. Although it is intended primarily for engineers, it can be used by anyone who has a background in electronics. The first half of the book introduces control concepts using just the keyboard and the screen. In the second half, you will learn how to interface your TRS-80 to other devices and how to wire some specific microprocessor circuits.

CONTENTS: The TRS-80 

The BASIC Language 

Functions and Subroutines 

If-Then and All That 

Realistic Computing 

Interfacing TRS-80 

Some Real Problems 

What You Can Do with It

#### A STEP BY STEP INTRODUCTION TO 8080 MICROPROCESSOR SYSTEMS (FROM DILITHIUM PRESS)

David L. Cohn and James L. Melsa

ADDRESS \_

Especially useful for Beginners who want to learn machine language

This step by step presentation does not require any electronics or computer background. If you have access to an 8080 system, the book contains a number of exercises that illustrate the concepts discussed in each chapter; however, many of the exercises can be worked with pencil and paper.

CONTENTS: Introduction ● Basic Machine Structure ● Stored Programs ● Jump Instructions ● Use of Memory for Data Storage ● Systems Monitors ● Use of Terminal for Input and Output ● Editors ● Symbolic Assemblers ● Stacks and Subroutines ● Microcomputer Architecture ● Interface Devices ● Interrupts and Real-time Clocks ● Peripheral Equipment ● Comparison of Various Processors ● Other Approaches to Programming

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# BASIC

## FOR HOME COMPUTERS A SELF-TEACHING GUIDE

By Bob Albrecht, LeRoy Finkel, and Jerald R. Brown Published by John Wiley & Sons, Inc.

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READ AND DATA WORK TOGETHER
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DOUBLE SUBSCRIPTS
STRING VARIABLES AND STRING FUNCTIONS
SUBROUTINES

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